MIDDLETON ASSOCIATES INCORPORATED 1702 W. COLLEGE AVE., SUITE E NORMAL, IL 61761-2793 309/452-1271 FAX 309/454-8049

ADDENDUM NUMBER 2 TO THE DRAWINGS AND SPECIFICATIONS

PROJECT: Washington Street Gym HVAC Improvements

FOR: Macomb CUSD No. 185 323 W. Washington Street Macomb, IL 61455

A/E PROJECT NO: 2547 0220

- ISSUE DATE: August 1, 2022
- BID OPENING: Thursday, September 1, 2022, 2:00 p.m., prevailing time 323 W. Washington Street, Macomb, IL 61455

THIS ADDENDUM DOES NOT CHANGE THE BID DATE OR BID TIME.

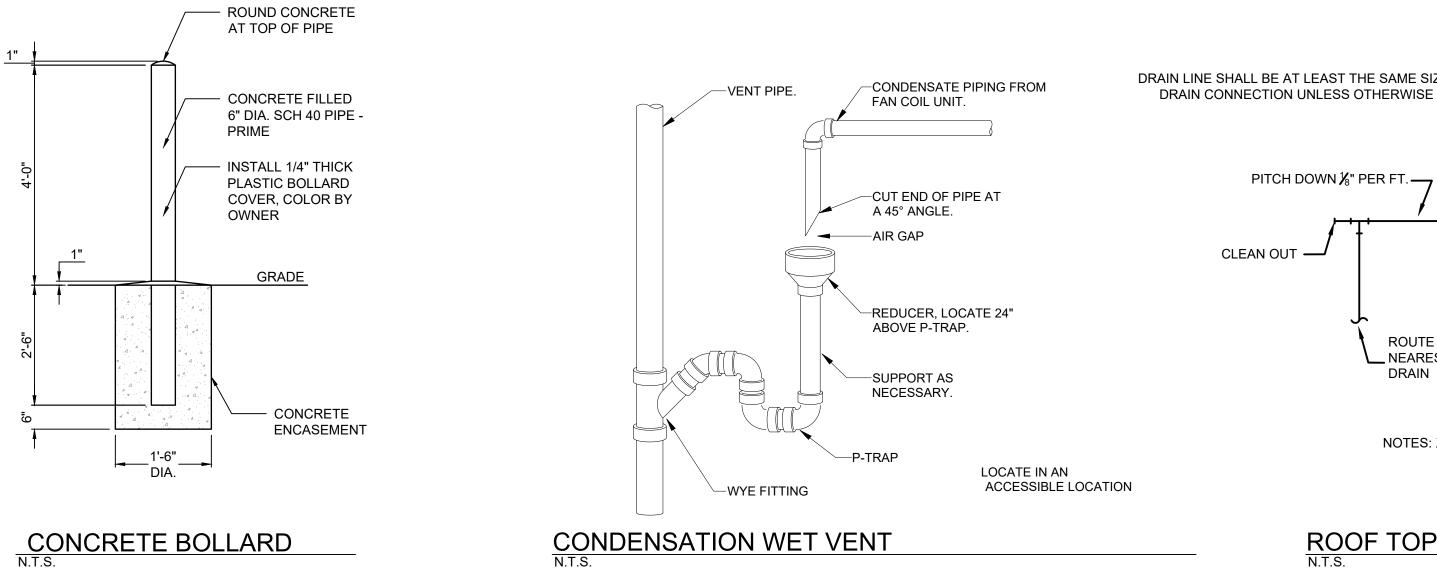
Upon receipt of this ADDENDUM, insert same into the documents, which were issued to you. Hereafter, said ADDENDUM shall be as much a part of the said documents as though originally set forth therein. THIS ADDENDUM DOES NOT CHANGE THE BID DATE.

- 5. TO THE DRAWINGS AND SPECIFICATIONS; Any conduit and gas pipe exposed to view mounted on the building wall shall be painted to match the building. Prime and DTM as appropriate for the pipe material.
- 6. TO THE DRAWINGS; M501 and E101: Revise electrical, RTU-1 and RTU-2.
 - a. Revise to 1 ¼" conduit.
 - b. RTU-1: #2 wire size
 - c. RTU-2: #3 wire size

See attached revised plans

Attachment: Drawings M501 and E101

END ADDENDUM NO. 2

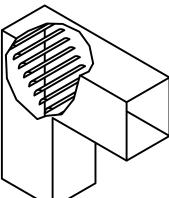


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ROOF TOP UNIT CONDENSATE DRAIN TRAP DETAIL

BLOW THRU

DRAW THRU

NOTES: X= TOTAL STATIC PRESSURE OF AHU SUPPLY FAN. REFER TO SCHEDULE.

ROUTE TO THE NEAREST ROOF DRAIN

Α

1" MIN.

X + 1" (4"' MIN.)

В

X + 1"

X/2 + 1" (3" MIN.)

BID SET

Non-Reduced Sheet Size: 24" x 36"

 Full sized plans have been prepared using standard scales.

 Reduced size plans may not conform to standard scales.

 DESIGNED
 DRAWN

 SFD
 APW

SHEET TITLE

MECHANICAL

SCHEDULES AND

DETAILS

PROJECT NO. 21-0155

DRAWING ISSUED DATE: 08/01/2022

SHEET

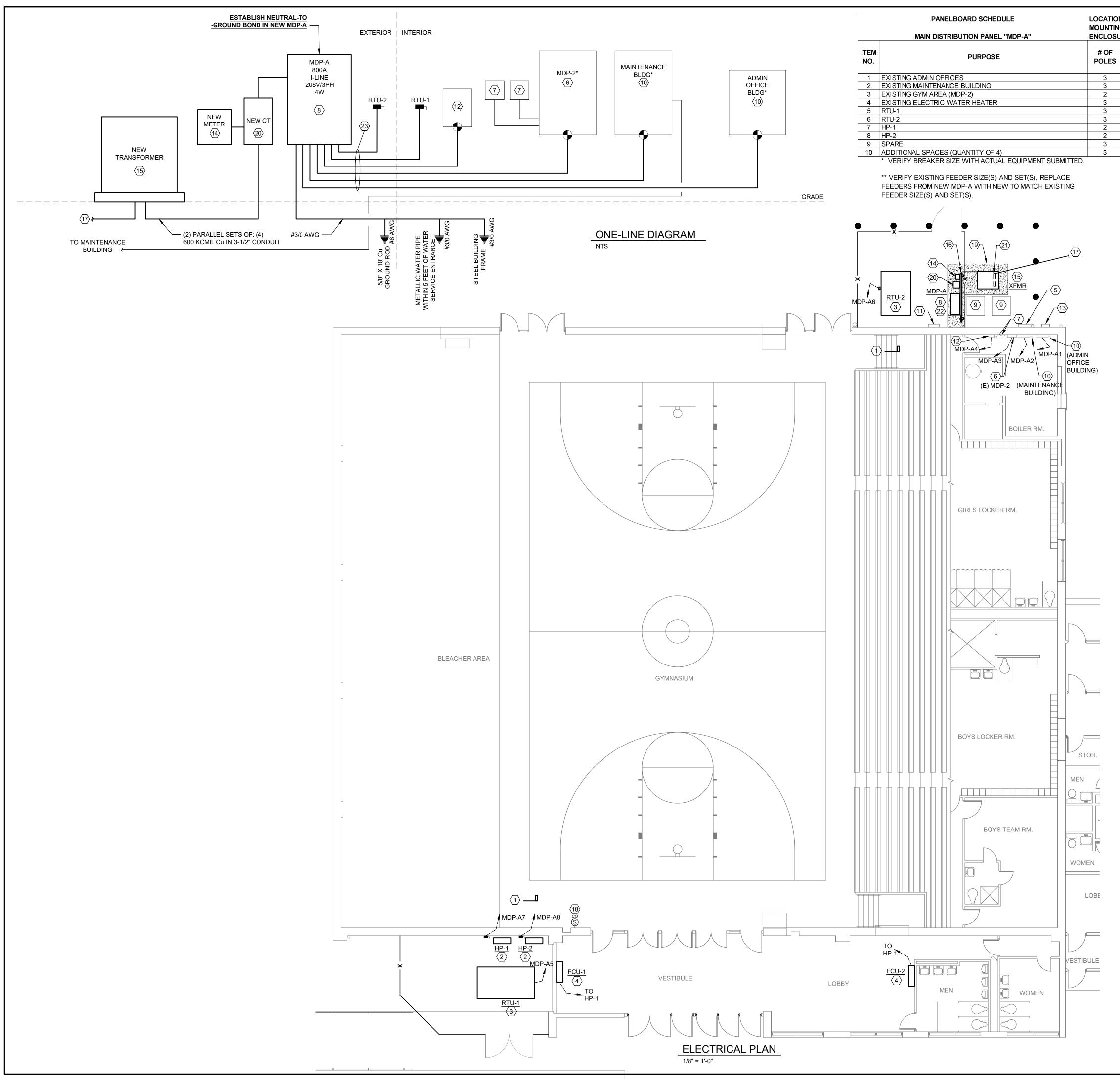
M501

FIELD BOOK

CHECK DATE 07/29/2022

FIELD

CHECKED SFD



N	I: OUTDOOI	RS	VOLTS: 120/208			PANEL TYPE: MAIN CB	
10	G: SURFACI	E	PHASES: 3			MAINS RATING: 800 A	
U	RE: NEMA 3	3	WIRES: 4			MAIN BREAKER: 800 A	
			F	EEDERS			
	FRAME SIZE	CIRCUIT BREAKER	WIRE	GND	CONDUIT	REMARKS	
	400	250	**	**	PER NEC		
	400	400	**	**	PER NEC		
	400	400	**	**	PER NEC		
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	-	40*	8	10	0.75"		
	400	250					
	400						

ELECTRICAL NOTES

- APPLICABLE STANDARDS: NFPA-70, NFPA-101, STATE BUILDING CODES, AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1971 AND ALL AMENDMENTS THERETO; EQUIPMENT, DEVICES, APPARATUS, SYSTEMS, AND INSTALLATIONS SHALL BE ENTIRELY SUITABLE AND SAFE FOR EACH INTENDED APPLICATION AND BE IN FULL COMPLIANCE WITH APPLICABLE STANDARDS, REQUIREMENTS, RULES, REGULATIONS, CODES, STATUTES, ORDINANCES, ETC., OF MUNICIPAL, COUNTY, AND STATE GOVERNMENTS, OWNER'S INSURANCE COMPANY, LOCAL UTILITIES, AND LABOR REGULATIONS. NOTHING CONTAINED IN THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO CONFLICT WITH THESE LAWS, CODES, AND ORDINANCES.
 DRAWINGS ARE SCHEMATIC AND SHOW APPROXIMATE LOCATIONS OF ELECTRICAL
- DRAWINGS ARE SCHEMATIC AND SHOW APPROXIMATE LOCATIONS OF ELECTRICAL EQUIPMENT. EXACT LOCATIONS SHALL BE COORDINATED BY THE CONTRACTOR AND VERIFIED IN THE FIELD PRIOR TO ROUGH-IN.
- 3. INSTALLATIONS WHICH INCLUDE ELECTRICAL FIXTURES, DEVICES, CONDUIT, SWITCHES, PANELS, HANGERS, WIRE, CABLE, STANDARDS, ETC., MUST BE ENTIRELY SUITABLE FOR TEMPERATURES, HUMIDITY, DAMP AREAS, VOLTAGE, FREQUENCY, AND ALL INSTALLATION CONDITIONS ENCOUNTERED.
- 4. INSTALLATION MUST BE ENTIRELY SAFE IN EVERY RESPECT, AND MUST NOT CREATE ANY CONDITIONS OF ANY KIND WHICH WILL BE HARMFUL TO ANY OCCUPANT OF THE BUILDING. IF CONTRACTOR BELIEVES THAT INSTALLATION WILL NOT BE SAFE FOR ALL PEOPLE, HE/SHE SHALL SO REPORT IN WRITING TO ENGINEER BEFORE ANY EQUIPMENT IS PURCHASED OR WORK IS INSTALLED, GIVING EXACT RECOMMENDATIONS, AND REASONS FOR THEM.
- GROUNDING: ALL GROUNDING SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).
 INSTALLATION OF ELECTRICAL DEVICES SHALL BE COORDINATED WITH OTHER TRADES AS
- NECESSARY TO PREVENT ANY CONFLICTS DURING CONSTRUCTION. 8. LOW VOLTAGE CONDUIT AND JUNCTION BOXES SHALL BE INSTALLED BY THE ELECTRICAL
- CONTRACTOR.
 9. EQUIPMENT GROUNDING CONDUCTORS SHALL BE PULLED WITH ALL BRANCH CIRCUITS. CONDUIT SHALL NOT BE USED AS A GROUND U.N.O.
- CONDUIT SHALL NOT BE USED AS A GROUND U.N.O.
 10. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, ACCESSORIES, TOOLS, EQUIPMENT, TRANSPORTATION, LABOR, SERVICES AND OPERATIONS NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM.
- ELECTRICAL CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ARRANGE FOR ALL INSPECTIONS REQUIRED BY STATE OR LOCAL AUTHORITIES.
 MATERIALS MUST BE NEW, IN EIRST CLASS CONDITION.
- MATERIALS MUST BE NEW, IN FIRST CLASS CONDITION.
 CONDUIT SHALL BE SEPARATELY HUNG AND ANCHORED, FREE TO EXPAND AND CONTRACT QUIETLY, WITHOUT IMPOSING STRAINS ON STRUCTURE, DEVICES, AND EQUIPMENT. CONDUIT SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES.
 CONTRACTOR SHALL PERFORM EXCAVATION REQUIRED TO INSTALL HIS WORK.

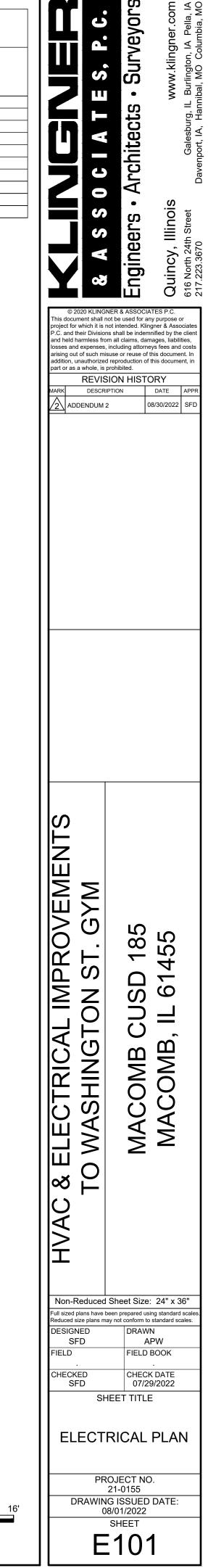
ELECTRICAL KEY NOTES (AS NOTED ON THIS SHEET)

- (1) INTEGRATE DUCT MOUNTED SMOKE DETECTOR TO FIRE ALARM
- SYSTEM. COORDINATE WITH MECHANICAL CONTRACTOR.
- $\langle 2 \rangle$ DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR.
- (3) DISCONNECT SWITCH BY EQUIPMENT MANUFACTURER. COORDINATE WITH MECHANICAL CONTRACTOR.
- $\langle 4 \rangle$ PROVIDE TOGGLE DISCONNECT SWITCH FOR FAN COIL UNIT.
- $\overline{(5)}$ EXISTING GAS METER SHOWN FOR REFERENCE.
- 6 EXISTING ELECTRICAL PANEL TO REMAIN. REPLACE NEW FEEDERS TO PANEL FROM NEW MDP-A TO MATCH EXISTING. INSTALL IN RIGID CONDUIT PER NEC.
- $\langle \overline{7} \rangle$ EXISTING FUSED DISCONNECT SWITCH TO REMAIN.
- $\langle 8 \rangle$ MAINTAIN SERVICE CLEARANCES FOR NEW PANEL.
- (9) AMEREN TO REMOVE TRANSFORMER AFTER NEW SERVICE IS OPERATIONAL. CAP EXISTING CONDUIT AFTER REMOVAL AND PATCH PAVEMENT.
- (10) EXISTING FUSED DISCONNECT SWITCH TO REMAIN. REPLACE NEW FEEDERS TO PANEL FROM NEW MDP-A TO MATCH EXISTING. INSTALL IN CONDUIT PER NEC.
- $\langle 11 \rangle$ EXISTING DEMARCATION PANEL(S) TO REMAIN.
- 12 EXISTING DISCONNECT SWITCH SERVING WATER HEATER TO REMAIN. REPLACE NEW FEEDERS TO PANEL FROM NEW MDP-A TO MATCH EXISTING. INSTALL IN CONDUIT PER NEC.
- (13) AMEREN TO REMOVE EXISTING CT CABINET AFTER NEW SERVICE IS OPERATIONAL. PATCH WALL.
- (14) NEW METER BY AMEREN.
- (15) NEW TRANSFORMER BY AMEREN. MAINTAIN SERVICE CLEARANCES PER AMEREN. COORDINATE PLACEMENT OF BOLLARDS WITH GENERAL CONTRACTOR.
- (16) PROVIDE BACKBOARD SUPPORT FOR NEW ELECTRICAL GEAR.
- (17) SEE SHEET E201 FOR CONTINUATION.
- (18) CARBON MONOXIDE SENSOR PER ILLINOIS PUBLIC ACT 099-0470. CO SENSOR TO BE ADDRESSABLE TYPE TO COMMUNICATE WITH BUILDING FIRE ALARM SYSTEM.
- (19) SAW CUT PAVEMENT TO PREPARE FOR NEW ELEVATED PAD. EXTEND CONCRETE PAD WITHIN AREA SHOWN HATCHED. PROVIDE 4" THICK CONCRETE SLAB WITH #4S @ 18" O.C., E.W, CENTERED IN SLAB, ON 6" COMPACTED AGGREGATE. PROVIDE 12" THICKENED EDGE. PAD TO COMPLY WITH AMEREN REQUIREMENTS.

N

SCALE: 1/8" = 1'-0"

- 20 NEW CT CABINET BY AMEREN.
- 21 PRIOR TO POURING CONCRETE PAD, PROVIDE RECTANGULAR BLOCK-OUT TO ALLOW SPACE FOR NEW AND FUTURE UNDERGROUND CONDUIT PENETRATIONS. VERIFY EXACT LOCATION WITH AMEREN.
- 22 PROVIDE NEW GROUNDING AT NEW SERVICE. SEE ONE-LINE DIAGRAM.
- 23 REFER TO PANEL SCHEDULE FOR FEEDER SIZING.



BID SET